

Converting Colors

CIELCh(90, 17.387, 297.157)

Have a look what the booklet for
CIELCh(90, 17.387, 297.157)
contains.

CIELCh(90, 16.771, 297.307)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIElCh(90, 16.771, 297.307)

Conversions

Conversions Part 1

Format	Color
Hex	E4DFFF
RGB	228, 223, 255
RGB Percent	89%, 87%, 100%
CMY	0.1068, 0.1264, 0.0010
CMYK	0.11, 0.13, 0.00, 0.00
HSL	249°, 98%, 94%
HSV	249°, 13%, 100%
XYZ	76.2499, 76.3034, 105.1068
YIQ	228.1430, -7.2920, 11.0120

Conversions

Conversions Part 2

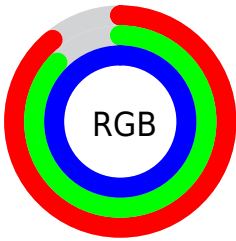
Format	Color
R_{YB}	228, 223, 255
Decimal	14999551
CIE _{Lab}	90.00, 7.69, -14.90
CIE _{LCh}	90, 16.771, 297.307
Yxy	76.3034, 0.2959, 0.2961
Android (android.graphics.Color)	4293189631 (0xFFE4DFFF)
YUV	228.1430, 13.2405, -0.1254
Hunter-Lab	87.3518, 2.9480, -10.1950

Details

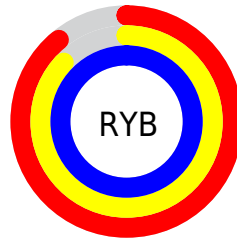
The CIELCh color `90, 16.771, 297.307` is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be `99, 16.308, 115.367`, and the grayscale version is `91, 0.011, 296.813`.

A 20% lighter version of the original color is `100, 0.012, 296.813`, and `70, 16.541, 296.684` is the 20% darker color. If you saturate the color by 10%, you get `82, 30.723, 298.253`, and if you desaturate by 10%, it is `98, 3.358, 296.488`.

Distribution



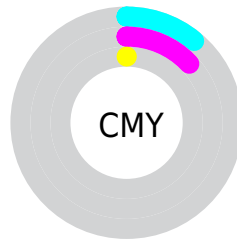
- Red (89%)
- Green (87%)
- Blue (100%)



- Red (89%)
- Yellow (87%)
- Blue (100%)



- Cyan (11%)
- Magenta (13%)
- Yellow (0%)
- Black (0%)





- Cyan (11%)
- Magenta (13%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 16.771, 297.307 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 90, 16.771, 297.307 by changing the saturation by 10% instead.


 90, 16.771,
297.307


 90, 16.771,
297.307


 100, 16.771,
297.307


 80, 16.771,
297.307


 70, 16.771,
297.307

 60, 16.771,
297.307

 50, 16.771,
297.307

 40, 16.771,
297.307

 30, 16.771,
297.307

 20, 16.771,

297.307

■ 10, 16.771,
297.307

■ 0, 16.771, 297.307

■ 90, 16.771,
297.307

■ 90, 16.771,
297.307

■ 82, 30.723,
298.253

■ 98, 3.358, 296.488

■ 74, 45.238,
299.348

100, 0.114,
109.492

■ 66, 60.291,
300.593

■ 59, 75.770,
301.973

■ 51, 91.360,
303.431

■ 45, 106.347,
304.847

■ 39, 119.395,
306.017

■ 35, 128.631,
306.680

■ 33, 132.575,
306.823

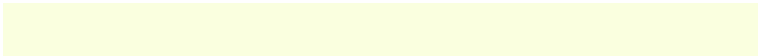
Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



90, 16.771, 297.307



99, 16.308, 115.367

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



90, 16.771, 297.307



90, 16.771, 347.307



90, 16.771, 117.307



90, 16.771, 167.307

Sweetspot

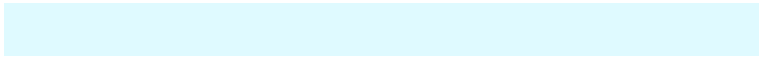
The Sweet Spot groups the original color and five complimentary colors.



90, 16.769, 297.304



97, 5.264, 296.598



96, 9.465, 214.003



51, 3.745, 296.656



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



90, 16.769, 297.304



88, 20.142, 297.523



91, 18.166, 314.650



49, 7.554, 297.041



24, 106.710, 306.914



4, 44.472, 304.733

Inverse Universe

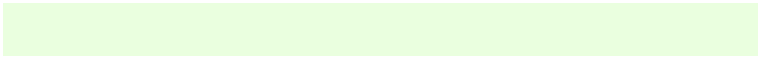
The Inverse Universe completely reimagines the original color for something new.



92, 17.977, 329.787



91, 21.517, 329.943



98, 17.952, 133.596



50, 8.131, 329.593



44, 82.369, 335.624



12, 38.447, 334.597

Previews

White Background



This preview shows how the CIELCh color 90, 16.771, 297.307 looks on a white background.

Color Contrast Check

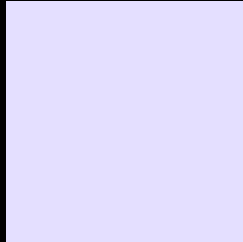
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 90, 16.771, 297.307 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

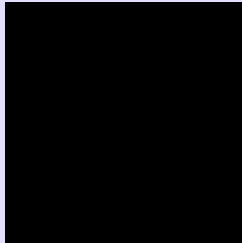
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 16.771, 297.307

Background



This preview shows how black text looks on a background with the CIELCh color 90, 16.771, 297.307.

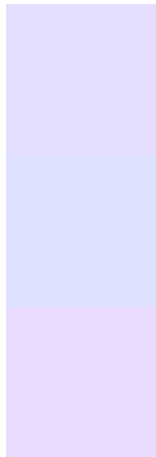


This preview shows how white text looks on a background with the CIELCh color 90, 16.771, 297.307.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

90, 16.771, 297.307

Protanopia

90, 15.612, 287.728

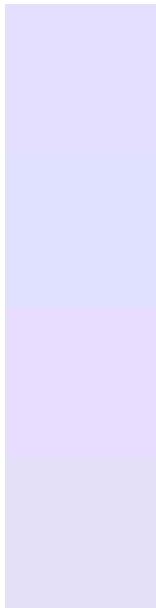
Deuteranopia

90, 19.010, 307.220



Tritanopia
90, 9.375, 293.054

Trichromacy



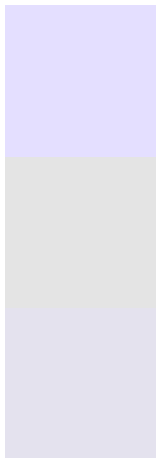
Original Color
90, 16.771, 297.307

Protanomaly
90, 16.129, 291.478

Deuteranomaly
90, 18.159, 303.469

Tritanomaly
90, 12.030, 296.060

Monochromacy



Original Color
90, 16.771, 297.307

Achromatopsia
91, 0.011, 296.813

Achromatomaly
90, 6.289, 297.078

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 16.771, 297.307 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(228, 223, 255)` looks like.

```
.text, #text, p{  
    color:rgb(228, 223, 255)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(228, 223, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 223, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 16.771, 297.307 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(228, 223, 255) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(228, 223, 255) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(228, 223, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 223, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 223, 255);  
box-shadow:4px 4px 4px 4px rgb(228, 223,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 16.771, 297.307 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 223, 255) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(228,  
223, 255) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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